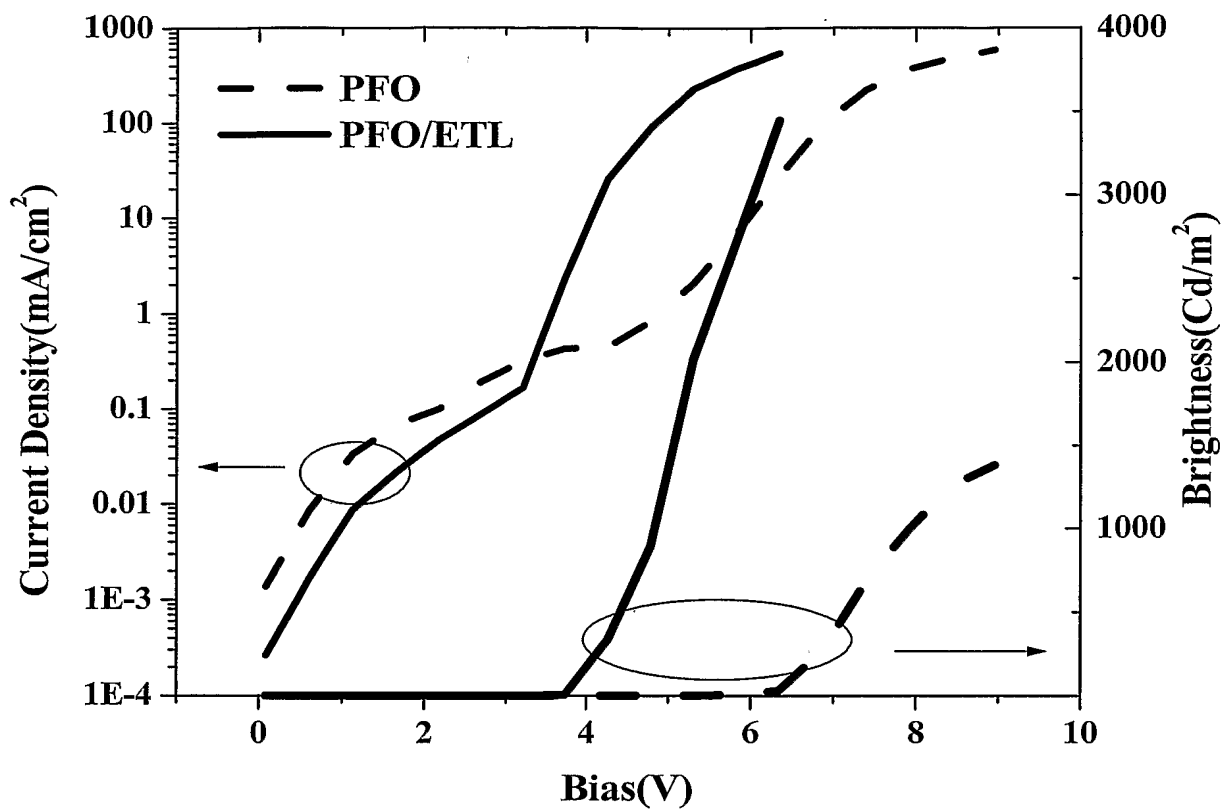**Figure 1**

Figure 2
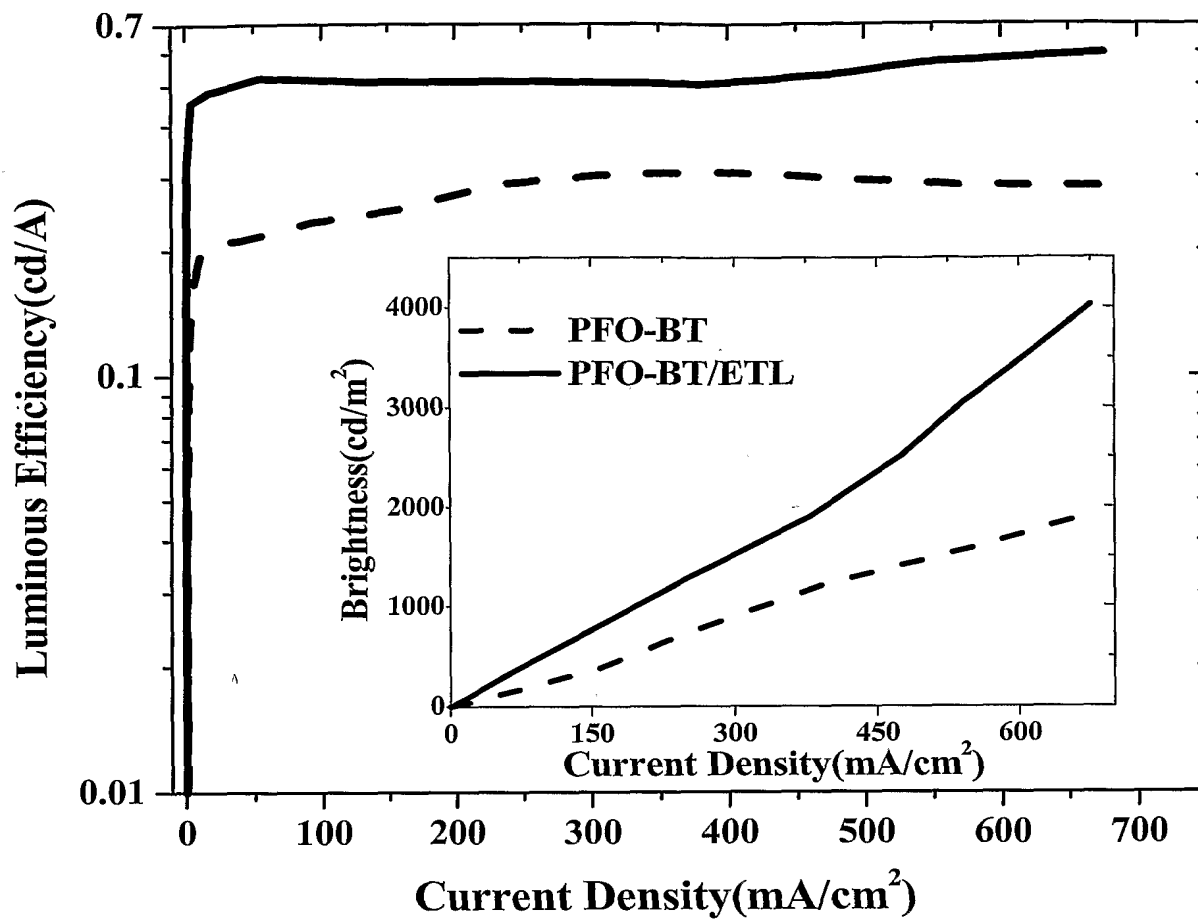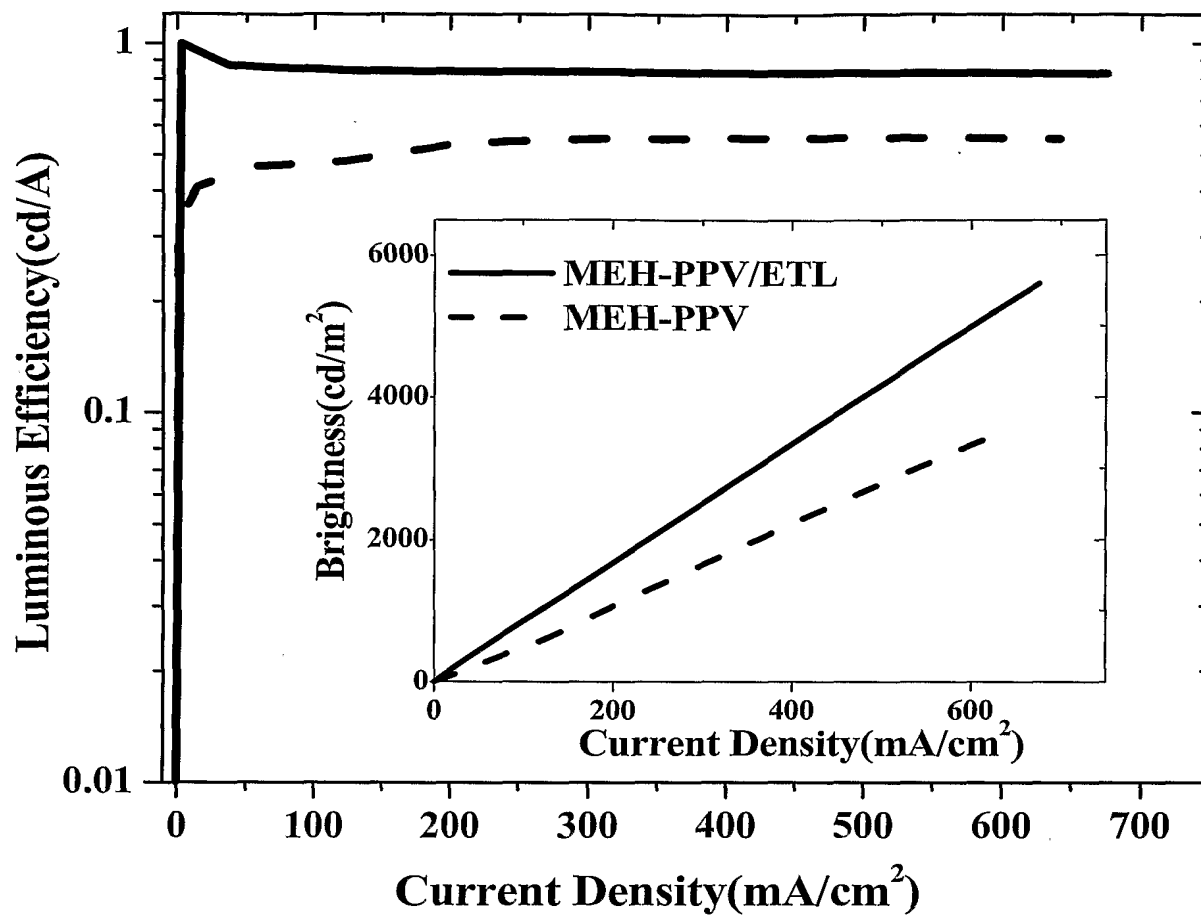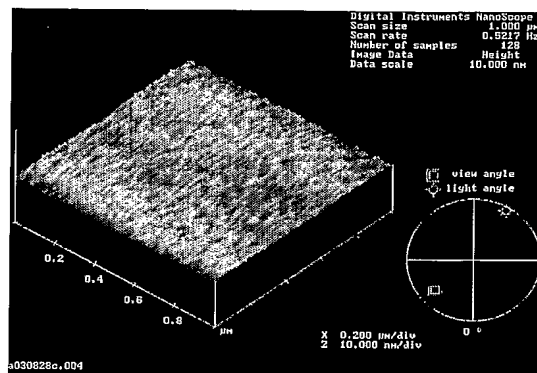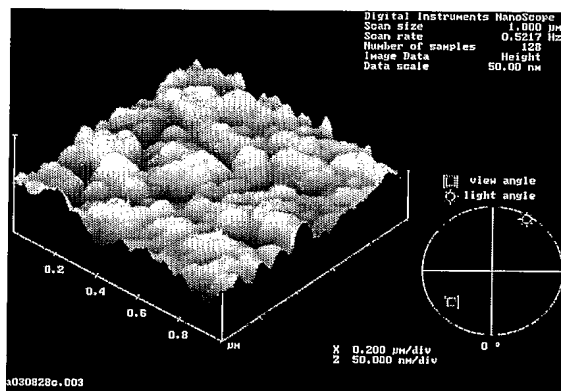
Figure 3(a)

Figure 3(b)

Figure 3(c)

(a) without ETL

(b) with ETL

Figure 4